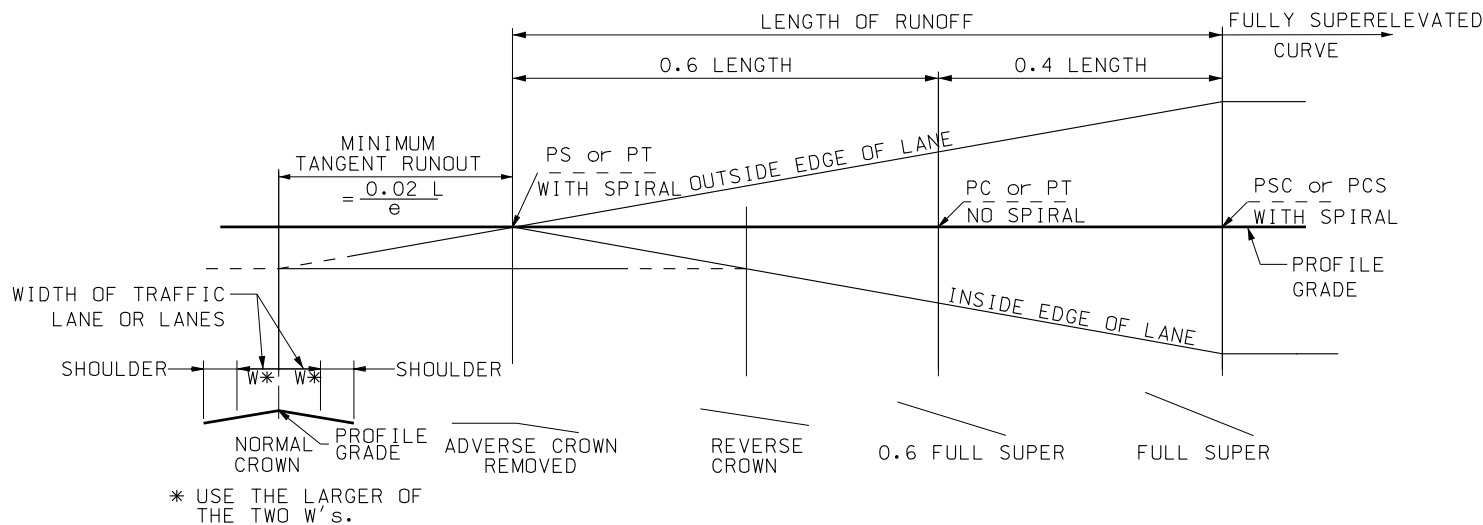


PROFILE - SINGLE CROWN ROAD
(FOR ONE-DIRECTION ROADWAY CROSS SECTION ONLY)



PROFILE - DOUBLE CROWN ROAD

LEGEND:

PS = POINT OF SPIRAL
PT = POINT OF TANGENCY
PC = POINT OF CURVATURE
PSC = POINT OF SPIRAL TO CURVE
PCS = POINT OF CURVE TO SPIRAL
e = SUPERELEVATION - PERCENT
W = CROSS SECTIONAL DISTANCE IN FEET FROM AXIS OF ROTATION (NORMALLY THE CONTROL LINE) TO THE OUTER EDGE OF THE TRAFFIC LANE OR LANES.

NOTES

1. USE CURRENT EDITION OF AASHTO A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS FOR DESIGN OF ROADWAY ELEMENTS NOT SHOWN ON THIS STANDARD DRAWING.
2. USE CURRENT EDITION OF AASHTO ROADSIDE DESIGN GUIDE FOR CLEAR ZONE REQUIREMENTS.
3. SPIRALS WITH CURVES ARE NOT REQUIRED BUT MAY BE DESIRABLE UNDER HIGH SPEEDS AND SHARP CURVES. WHEN A SPIRAL IS USED, THE LENGTH OF SPIRAL IS EQUAL TO MINIMUM SUPERELEVATION RUNOFF LENGTHS.
4. SUPERELEVATE SURFACED SHOULDERS AT SAME RATE AS TRAFFIC LANES.
5. PLACE THE FOLLOWING INFORMATION ON THE CONSTRUCTION PLANS.
RATE OF SUPERELEVATION.
BEGIN AND END OF TANGENT RUNOUT
BEGIN AND END OF SUPERELEVATION RUNOFF IF SPIRALS ARE NOT USED
6. USE $e_{MAX} = 6\%$ SUPERELEVATION.

REVISIONS

UTAH DEPARTMENT OF TRANSPORTATION
STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION

RECOMMENDED FOR APPROVAL
CHAIRMAN STANDARDS COMMITTEE
DEPUTY DIRECTOR
DATE
JAN 01 2008
DATE
JAN 01 2008

SUPERELEVATION
AND
WIDENING

STD DWG
DD 1

STANDARD DRAWING TITLE